

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application)

Applicant: Tanuma et al.)

Serial No. 09/282,772)

Filed: March 31, 1999)

For: LIQUID CRYSTAL DISPLAY)
DEVICE OPERATING IN A)
VERTICALLY ALIGNED MODE)
OF LIQUID CRYSTAL MOLECULES)

Art Unit: 2871)

I hereby certify that this paper is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this date.

Date

F-CLASS.CER

Registration No. 29367
Attorney for Applicant

BOX MISSING PARTS
ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

Completion of Filing RequirementsTransmitted herewith in response to the Office letter dated September 21, 1999 are:

- (x) Declaration or oath for this application.
- (x) Assignment(s) of the invention to FUJITSU LIMITED.
- (x) Claim for Priority and certified copy of priority document.
- (x) IDS, PTO Form 1449 w/cited references.
- (x) Submission of Substitute Specification.
- (x) Submission of Formal Drawings with 6 sheets of formal drawings.
- (x) A check in the amount of \$ 890.00 to cover the filing fee and/or surcharge is enclosed.
- (x) A check in the amount of \$ 40.00 to cover the fee for recording the assignment(s) is enclosed.
- (x) Assignment Form Cover Sheet.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. Should no proper amount be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Suite 8660 - Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606
(312) 993-0080

GREER, BURNS & CRAIN, LTD.

By:

Patrick G. Burns

Registration No. 29,367



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

[Handwritten signature]

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
09/282,772	03/31/99	TANUMA	S 0941.63006

GREER BURNS & CRAIN LTD
SUITE 8660 SEARS TOWER
233 S WACKER DRIVE,
CHICAGO IL 60606



NOT ASSIGNED

2871

DATE MAILED:

09/21/99

NOTICE TO FILE MISSING PARTS OF APPLICATION

Filing Date Granted

Due 11/21/99

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of ☐ \$65.00 for a small entity in compliance with 37 CFR 1.27, or ☐ \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a ☐ small entity (statement filed) ☒ non-small entity is \$ 890.

- ☒ 1. The statutory basic filing fee is:
☐ missing.
☐ insufficient.

Applicant must submit \$ 760 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).

- ☐ 2. The following additional claims fees are due:

\$ _____ for _____ total claims over 20.

\$ _____ for _____ independent claims over 3.

\$ _____ for multiple dependent claim surcharge.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

- ☒ 3. The oath or declaration:
☐ is missing or unsigned.

☐ does not cover the newly submitted items.

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

- ☐ 4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

- ☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

- ☐ 6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).
☐ 7. Your filing receipt was mailed in error because your check was returned without payment.
☐ 8. The application was filed in a language other than English.

Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).

- ☐ 9. OTHER:

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice MUST be returned with the reply.

UNRECORDED

Customer Service Center
Initial Patent Examination Division (703) 308-1202

00000065 09282772
10/13/1999 CCETIN
01 FC:101
02 FC:105
760.00 OP
130.00 OP

0941.63006

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application)

Applicant: Tanuma et al.)

Serial No. 09/282,772)

Filed: March 31, 1999)

For: LIQUID CRYSTAL DISPLAY)
DEVICE OPERATING IN A)
VERTICALLY ALIGNED)
MODE OF LIQUID CRYSTAL)
MOLECULES)

Art Unit: 2871)

I hereby certify that this paper is being deposited with the
United States Postal Service as first-class mail in an
envelope addressed to: Assistant Commissioner for Patents,
Washington, D.C. 20231, on this date.

Date

F-CLASS.CER

Registration No. 29367
Attorney for Applicant



SUBMISSION OF FORMAL DRAWINGS

BOX MISSING PARTS

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith are six (6) sheets of formal drawings to be substituted
for the facsimile drawings initially filed in the above-identified application for a patent.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By 

Patrick G. Burns
Registration No. 29, 367

October 6, 1999
Suite 8660 - Sears Tower
233 S. Wacker Drive
Chicago, Illinois 60606-6501
Telephone: (312) 993-0080
Facsimile: (312) 993-0633

#4
11/24/99
Tia

0941.63006

#5
1449
7.8
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application)

Applicant: Tanuma et al.)

Serial No. 09/282,772)

Filed: March 31, 1999)

For: LIQUID CRYSTAL DISPLAY)
DEVICE OPERATING IN A)
VERTICALLY ALIGNED)
MODE OF LIQUID CRYSTAL)
MOLECULES)

Art Unit: 2871)

I hereby certify that this paper is being deposited with the
United States Postal Service as first-class mail in an
envelope addressed to: Assistant Commissioner for Patents,
Washington, D.C. 20231, on this date.

Date

P-CLASS CER

Registration No. 29367
Attorney for Applicant



SUBMISSION OF SUBSTITUTE SPECIFICATION

BOX MISSING PART

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Please approve the attached substitute specification, which is the original
of the facsimile filed on March 31, 1999 with this application. No new matter has been
added.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By

Patrick G. Burns
Reg. No. 29,367

October 6, 1999
Sears Tower - Suite 8660
233 South Wacker Drive
Chicago, IL 60606
(312) 993-0080